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## IN THE CLAIMS

Please amend claims 1-9, 11-22, 24-25, and 40-62 as follows below.

Please add new claims 63-69 that follow below.

The following listing of claims replaces all prior versions, and listings, of claims in the application:

## MARKED UP CLAIMS

1 1. (Currently Amended) A fiber optic module 2 comprising: a push-actuator movably coupled to the fiber optic 3 module, the push-actuator to move inward into the fiber 4 optic module and release the fiber optic module from a 5 6 cage assembly in response to the push-actuator being 7 pushed; and one or more electro-optic transducers within the 8 9 fiber optic module to convert optical signals into 10 electrical signals or electrical signals into optical 11 signals. 1 2. (Currently Amended) The fiber optic module of claim 2 1, wherein [[,]] the fiber optic module is an SFP a small form 3 4 pluggable (SFP) fiber optic module and the cage assembly

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is an SFP cage assembly.

- 3. (Currently Amended) The fiber optic module of claim
- 2 1, wherein [[,]]
- 3 the push-actuator is a push button.
- 1 4. (Currently Amended) The fiber optic module of claim
- 2 1, wherein [[,]]
- 3 the push-actuator is a kick actuator.
- 1 5. (Currently Amended) The fiber optic module of claim
- 2 1 wherein [[,]]
- 3 the push-actuator includes one or more grooves to
- 4 slideably engage couple to the fiber optic module.
- 1 6. (Currently Amended) The fiber optic module of claim
- 2 1, wherein [[,]]
- 3 the push-actuator slides <u>inward</u> to release the fiber
- 4 optic module from the cage assembly.
- 1 7. (Currently Amended) The fiber optic module of claim
- 2 1 wherein [[,]] the push-actuator includes
- 3 one or more ramps to release which cause the fiber
- 4 optic module to be released from the cage assembly when
- 5 <u>in response to</u> the push-actuator [[is]] <u>being</u> pushed.
- 1 8. (Currently Amended) The fiber optic module of claim
- 2 1, further comprising:
- 3 a second actuator <u>having a first end</u> with one or
- 4 more ramps <u>and a second end opposite the first end</u> <del>along</del>

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1\_ further comprising:

one side, the push-actuator to couple to the second end 5 6 and slide causes the second actuator to slide to release 7 the fiber optic module from the cage assembly. 1 9. (Currently Amended) The fiber optic module of claim 2 1\_ wherein [[,]] 3 the push-actuator includes an orientation indicator to indicate the fiber 4 5 optic module which the push-actuator releases. 1 10. (Previously Presented) A fiber optic module 2 comprising: 3 a push-actuator to release the fiber optic module 4 from a cage assembly, the push-actuator includes 5 a push tab, 6 a shaft coupled to the push tab at a first end, 7 and 8 a hook coupled to a second end of the shaft; 9 and 10 one or more electro-optic transducers to convert 11 optical signals into electrical signals or electrical 12 signals into optical signals. 1 11. (Currently Amended) The fiber optic module of claim 2 1, wherein [[,]] 3 the push-actuator is located at a bottom side of the 4 fiber optic module. 1 12. (Currently Amended) The fiber optic module of claim

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- a nose having a nose grip to pull out on the fiber optic module.
- 1 13. (Currently Amended) <u>A</u> [[The]] fiber optic module <del>of</del>
  2 <del>claim 1 further</del> comprising:
- 3 a push-actuator movably coupled to the fiber optic
- 4 <u>module to release the fiber optic module from a cage</u>
- 5 assembly;
- 6 one or more electro-optic transducers within the
- 7 <u>fiber optic module to convert optical signals into</u>
- 8 electrical signals or electrical signals into optical
- 9 <u>signals; and</u>
- 10 a <u>rigid</u> pull-tab <u>rigidly coupled</u> to <u>the fiber optic</u>
- 11 module, the rigid pull-tab to pull and withdraw disengage
- the fiber optic module from the cage assembly.
- 1 14. (Currently Amended) The fiber optic module of claim
- 2 13 wherein [[,]]
- 3 the <u>rigid</u> pull-tab includes a shield to contain EM
- 4 radiation.
- 1 15. (Currently Amended) The fiber optic module of claim
- 2 13, wherein [[,]]
- 3 the <u>rigid</u> pull-tab is located at a top side of the
- 4 fiber optic module and the push-actuator is located at a
- 5 bottom side of the fiber optic module.
- 1 16. (Currently Amended) The fiber optic module of claim
- 2 13 wherein [[,]]

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- 3 the <u>rigid</u> pull-tab is located at a bottom side of
- 4 the fiber optic module and the push-actuator is located
- 5 at a bottom side of the fiber optic module.
- 1 17. (Currently Amended) The fiber optic module of claim
- 2 13, wherein [[,]]
- 3 the <u>rigid</u> pull-tab is coupled to ground.
- 1 18. (Currently Amended) The fiber optic module of claim
- 2 13, wherein [[,]]
- 3 the <u>rigid</u> pull-tab includes
- 4 a pull grip having dimples to prevent slippage.
- 1 19. (Currently Amended) The fiber optic module of claim
- 2 13, wherein [[,]]
- 3 the <u>rigid</u> pull-tab is formed of a conductive
- 4 material.
- 1 20. (Currently Amended) The fiber optic module of claim
- 2 13, wherein [[,]]
- 3 the <u>rigid</u> pull-tab is formed of a solid material.
- 1 21. (Currently Amended) The fiber optic module of claim
- 2 13, wherein [[,]]
- 3 the <u>rigid</u> pull-tab is formed of metal.
- 1 22. (Currently Amended) The fiber optic module of claim
- 2 13, wherein [[,]]
- 3 the <u>rigid</u> pull-tab is formed of a plastic.

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1
         23. (Previously Presented) A fiber optic module
2
    comprising:
3
              a push-actuator to release the fiber optic module
4
         from a cage assembly;
5
              a pull-tab to disengage the fiber optic module from
6
         the cage assembly, the pull-tab includes
7
                    an arm to couple to the fiber optic module, and
                    a handle at an end of the arm for a user to
8
9
              grab the pull-tab;
10
              and
11
              one or more electro-optic transducers to convert
12
         optical signals into electrical signals or electrical
13
         signals into optical signals.
1
         24. (Currently Amended)
                                   The fiber optic module of claim
2
    13, wherein [[,]]
3
              the handle of the pull-tab has
4
                    a grip to grip the handle with one or more
5
              fingers of the user.
1
         25. (Currently Amended)
                                   The fiber optic module of claim
2
    13, further comprising:
3
              a nose having a nose grip to pull out on the fiber
4
         optic module.
1
         26. (Previously Presented) A fiber optic module
2
    comprising:
3
              a push-actuator to release the fiber optic module
4
         from a cage assembly;
```

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5 a pull-tab to disengage the fiber optic module from 6 the cage assembly, the pull-tab includes 7 a pull grip, 8 a lever arm coupled to the pull grip, 9 a shield coupled to the lever arm, and 10 grounding tabs coupled to the shield; 11 and 12 one or more electro-optic transducers to convert optical signals into electrical signals or electrical 13 14 signals into optical signals. 1 27-39. (Cancelled) 1 40. (Currently Amended) A fiber optic module 2 comprising: 3 means for converting optical signals into electrical 4 signals or electrical signals into optical signals; and 5 means for disengaging the fiber optic module from a 6 cage assembly by depressing a push button, the fiber optic module including the push button. 7 1 41. (Currently Amended) The fiber optic module of claim 2 40, further comprising: 3 means for slideably engaging the means for 4 disengaging, the means for slideably engaging coupled to 5 the fiber optic module. 1 42. (Currently Amended) The fiber optic module of claim 2 40, further comprising:

3	means for withdrawing the fiber optic module from
4	the cage by pulling, the means for withdrawing coupled to
5	the fiber optic module.
1	43. (Currently Amended) The fiber optic module of claim
2	[[40]] <u>42,</u> further comprising:
3	means for slideably engaging the means for
4	disengaging, the means for slideably engaging coupled to
5	the fiber optic module.
1	44. (Currently Amended) The fiber optic module of claim
2	40_ further comprising:
3	means for indicating the fiber optic module which
4	the means for disengaging releases, the means for
5	indicating coupled to the fiber optic module.
1	45. (Currently Amended) The fiber optic module of claim
2	40, wherein [[,]]
3	the means for disengaging the fiber optic module
4	includes [[,]]
5	means for lifting a latch to disengage the
6	fiber optic module from the cage assembly by
7	depressing the push button.
1	46. (Currently Amended) A method of disengaging a fiber
2	optic module from a cage assembly, the method comprising:
3	pushing a push-button of the fiber optic module to
4	release a latch; and
5	pulling a pull-tab of the fiber optic module to
6	disengage the fiber optic module from the cage assembly.

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47. (Currently Amended) The method of claim 46, further
1
2
    comprising:
3
              determining if the latch has been released.
1
         48. (Currently Amended) A method of engaging a fiber
2
    optic module to a cage assembly, the method comprising:
3
              inserting [[the]] a fiber optic module into an
         opening in [[the]] a cage assembly, the fiber optic
4
5
         module having a push button movably coupled thereto;
6
              pushing the fiber optic module into the cage
         assembly; and
7
8
              determining if the fiber optic module is fully
9
         inserted into the cage assembly by checking whether [[a]]
10
         the push button coupled to of the fiber optic module is
         fully extended out from the fiber optic module.
11
1
         49. (Currently Amended) [[A]] <u>The</u> method of claim 48,
2
    further comprising:
3
              pushing the fiber optic module into the cage
4
         assembly if the push button is not fully extended out.
1
         50. (Currently Amended) The fiber optic module of claim
2
    10, wherein [[,]]
3
              the push-actuator is a push button.
1
         51. (Currently Amended) The fiber optic module of claim
2
    10_ wherein [[,]]
3
```

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the push-actuator is a kick actuator.

- 1 52. (Currently Amended) The fiber optic module of claim
- 2 10, wherein [[,]]
- 3 the push-actuator is located at a bottom side of the
- 4 fiber optic module.
- 1 53. (Currently Amended) The fiber optic module of claim
- 2 10, further comprising:
- a nose having a nose grip to pull out on the fiber
- 4 optic module.
- 1 54. (Currently Amended) The fiber optic module of claim
- 2 10, further comprising:
- a pull-tab to disengage the fiber optic module from
- 4 the cage assembly.
- 1 55. (Currently Amended) The fiber optic module of claim
- 2 23, wherein [[,]]
- 3 the push-actuator is a push button.
- 1 56. (Currently Amended) The fiber optic module of claim
- 2 23, wherein [[,]]
- 3 the push-actuator is a kick actuator.
- 1 57. (Currently Amended) The fiber optic module of claim
- 2 23, wherein [[,]]
- 3 the push-actuator is located at a bottom side of the
- 4 fiber optic module.

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- 1 58. (Currently Amended) The fiber optic module of claim
- 2 23 further comprising:
- a nose having a nose grip to pull out on the fiber
- 4 optic module.
- 1 59. (Currently Amended) The fiber optic module of claim
- 2 26, wherein [[,]]
- 3 the push-actuator is a push button.
- 1 60. (Currently Amended) The fiber optic module of claim
- 2 26, wherein [[,]]
- 3 the push-actuator is a kick actuator.
- 1 61. (Currently Amended) The fiber optic module of claim
- 2 26, wherein [[,]]
- 3 the push-actuator is located at a bottom side of the
- 4 fiber optic module.
- 1 62. (Currently Amended) The fiber optic module of claim
- 2 26 further comprising:
- a nose having a nose grip to pull out on the fiber
- 4 optic module.
- 1 63. (New) The fiber optic module of claim 1, further
- 2 comprising:
- a base portion of the fiber optic module under the
- 4 one or more electro-optic transducers, the push-actuator
- 5 moveably coupled to the base portion to move inward into

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- the fiber optic module and release the fiber optic module from the cage assembly in response to being pushed.
- 1 64. (New) The fiber optic module of claim 8, wherein
- 2 the push-actuator includes a push button to be
- 3 pushed.
- 1 65. (New) The fiber optic module of claim 10,
- 2 further comprising:
- a base portion of the fiber optic module under the
- 4 one or more electro-optic transducers, the push-actuator
- 5 moveably coupled to the base portion to move inward into
- 6 the fiber optic module and release the fiber optic module
- from the cage assembly in response to being pushed.
- 1 66. (New) The fiber optic module of claim 65,
- 2 further comprising:
- a second actuator having an end with one or more
- 4 ramps and an opening, the hook of the push-actuator mated
- 5 with the opening to couple the push-actuator and the
- 6 second actuator together, the push-actuator and the
- 7 second actuator to move together to release the fiber
- 1 67. (New) The fiber optic module of claim 11,
- 2 wherein
- 3 with the fiber optic module inserted into the cage
- 4 assembly, the bottom side of the fiber optic module is
- 5 nearest to a printed circuit board upon which the cage
- 6 assembly is mounted.

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1	68. (New) The fiber optic module of claim 12,
2	wherein
3	the push actuator is moveably coupled to a base
4	portion of the nose, and
5	the nose has one or more optical receptacles aligned
6	with the one or more electro-optic transducers.
1	69. (New) The fiber optic module of claim 68,
2	further comprising:
3	a pull-tab coupled to the nose, the pull-tab to pull
4	and withdraw the fiber optic module from the cage
5	assembly.

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